

In the claims:

Pursuant to 37 C.F.R. §1.121 the following is a complete listing of the claims of the present application:

1.-17. (canceled)

18. (new) A purified and isolated ATR polypeptide that has lipid kinase activity, said polypeptide encoded by a polynucleotide selected from the group consisting of:

- (a) a polynucleotide encoding the amino acid sequence set out in SEQ ID NO: 2,
- (b) a polynucleotide encoding the amino acid sequence set out in SEQ ID NO: 4, and
- (c) a polynucleotide which hybridizes to the complement of the polynucleotide of (a) or (b) under conditions including a final wash at 55°C.

19. (new) A purified and isolated ATR polypeptide that has lipid kinase activity, said polypeptide encoded by a polynucleotide selected from the group consisting of:

- a) a polynucleotide set out in SEQ ID NO: 1;
- b) a polynucleotide set out in SEQ ID NO: 3; and
- c) a polynucleotide that hybridizes to the complement of the polynucleotide of (a) or (b) under conditions including a final wash at 55°C.